

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 - 3. (cancelled)

4. (new) A parametric reverse engineering method for designing tools comprising the steps of:

importing an existing model including a design of an existing tool for an existing part;

producing a template for the existing tool;

separating the existing tool from the part;

cataloguing and saving in a numerical database structured in the form of a catalogue the creation of the existing tool using section lines and characteristic lines;

removing the existing part;

parameterising the template of the existing tool by creating a parametric profile on section lines and characteristic lines;

importing a new part;

making the parametric template correspond to the new part;  
and

creating a new tool for the new part.

5. (new) A parametric reverse engineering method for designing tools according to claim 4, wherein the step of parameterising the template is carried out automatically.

6. (new) A parametric reverse engineering method for designing tools according to claim 4, wherein the step of parameterising the template is carried out interactively.